## AMENDMENTS TO THE CLAIMS

Kindly cancel claims 1, 11-17, 24, 26, 29-31, 38, 41-45, 50-55 and amend claims 2, 4, 10, 18-20, 23, 25, 27, 28, 32, 33, 34, 37, 39, 56, 57, 58 and 61 as shown in the listing of claims below. This listing of claims will replace all prior versions, and listings of claims in the application.

## LISITING OF CLAIMS

- 1 Claim 1. (cancel)
- 1 Claim 2. (currently amended) The method of claim 1 A method for reducing stiction in a MEMS
- device having a moveable element moveably coupled to a substrate, the method comprising:
- a) providing the substrate with an anti-stiction member; and
- b) interposing the anti-stiction member between the moveable element and the substrate,
- 5 wherein step b) includes actuating the moveable element to interpose the anti-stiction
- 6 member between the moveable element and the substrate.
- 1 Claim 3. (original) The method of claim 2 wherein step b) includes substantially immersing the
- 2 moveable element in a liquid during actuation of the moveable element.
- 1 Claim 4. (currently amended) The method of claim 1, A method for reducing stiction in a MEMS
- device having a moveable element moveably coupled to a substrate, the method comprising:
- a) providing the substrate with an anti-stiction member; and
- b) interposing the anti-stiction member between the moveable element and the substrate,
- 5 wherein step a) includes providing an anti-stiction member that overhangs the moveable
- 6 element.
- 1 Claim 5. (original) The method of claim 4, wherein the anti-stiction member includes one or
- 2 more flexible portions.
- 1 Claim 6. (original) The method of claim 5, wherein the one or more flexible portions includes at
- 2 least one double-serpentine portion.
- 1 Claim 7. (original) The method of claim 4 wherein the anti-stiction member is made of a flexible
- 2 material.

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- Claim 8. (original) The method of claim 4 wherein step b) includes actuating the moveable
- element whereby the moveable element engages the anti-stiction member causing the anti-
- 3 stiction member to flex.
- 1 Claim 9. (original) The method of claim 8 wherein step b) includes flexing the anti-stiction
- 2 member sufficiently to interpose the anti-stiction member between the moveable element and
- the substrate.
- 1 Claim 10. (currently amended) The method of claim 1 A method for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the method
- 3 <u>comprising:</u>
- a) providing the substrate with an anti-stiction member; and
- b) interposing the anti-stiction member between the moveable element and the substrate,
- 6 wherein step a) includes:
- 7 providing a silicon-on-insulator (SOI) substrate;
- defining the moveable element from a device layer of the SOI substrate; and
- depositing a flexible material over the device layer and the moveable element such that
- the flexible material overhangs the moveable element.
- 1 Claims 11-17 (cancel)
- 1 Claim 18. (currently amended) The apparatus of claim 15 An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 comprising:
- an anti-stiction member that is interposable between the moveable element and the <u>substrate</u>,
- wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element, wherein the anti-stiction member is
- 7 cantilevered such that the anti-stiction member overhangs the moveable element.

- Claim 19. (currently amended) The apparatus of claim 15 An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 comprising:
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element, wherein the anti-stiction member is made
- 7 from a flexible material.
- 1 Claim 20. (currently amended) The apparatus of claim 15 An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 <u>comprising:</u>
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element, wherein the anti-stiction member includes
- one or more flexible portions disposed between a fixed end and a free end of the anti-stiction
- 8 member.
- 1 Claim 21. (original) The apparatus of claim 20 wherein the one or more flexible portions include
- 2 at least one serpentine portion.
- 1 Claim 22. (original) The apparatus of claim 20 wherein the one or more flexible portions include
- at least one double serpentine portion.
- 1 Claim 23. (currently amended) The apparatus of claim 15 An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 comprising:
- an anti-stiction member that is interposable between the moveable element and the substrate,
- wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element, further comprising a standoff attached to a
- 7 free end of the anti-stiction member.
- 1 Claim 24. (cancel)

- 1 Claim 25. (currently amended) The apparatus of claim 24, An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 comprising:
- an anti-stiction member that is interposable between the moveable element and the substrate,
- wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element.
- further comprising means for electrically isolating the moveable element from a portion of
- the substrate, wherein the means for electrically isolating includes an electrically insulating
- standoff attached to a free end of the anti-stiction member.
- 1 Claim 26. (cancel)
- 1 Claim 27. (currently amended) The apparatus of claim 15 An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 <u>comprising:</u>
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element,
- further comprising means for electrically isolating the moveable element from a portion of
- 8 the substrate, wherein the anti-stiction member includes a serpentine shaped portion that is
- disposed between a free end and a fixed end of the anti-stiction member.
- 1 Claim 28. (currently amended) The apparatus of claim 15 An apparatus for reducing stiction in a
- 2 MEMS device having a moveable element moveably coupled to a substrate, the apparatus
- 3 comprising:
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 wherein the anti-stiction member is attached to the substrate, wherein the anti-stiction
- 6 member is not attached to the moveable element,
- 7 <u>further comprising means for electrically isolating the moveable element from a portion of</u>
- the substrate, wherein the anti-stiction member includes one or more double-serpentine
- shaped portions that are disposed between a free end and a fixed end of the anti-stiction
- 10 member.

Amendment C

- 1 Claims 29-31. (cancel)
- 1 Claim 32. (currently amended) The MEMS device of claim 28 A MEMS device, comprising:
- 2 a substrate;
- a moveable element moveably coupled to the substrate, and
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 wherein the anti-stiction member is cantilevered such that the anti-stiction member
- 6 overhangs the moveable element.
- 1 Claim 33. (currently amended) The MEMS device of claim 29 A MEMS device, comprising:
- 2 <u>a substrate</u>;
- a moveable element moveably coupled to the substrate, and
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 wherein the anti-stiction member is made from a flexible material.
- 1 Claim 34. (currently amended) The MEMS device of claim 29 A MEMS device, comprising:
- 2 a substrate;
- a moveable element moveably coupled to the substrate, and
- 4 an anti-stiction member that is interposable between the moveable element and the substrate,
- wherein the anti-stiction member includes one or more flexible portions disposed between a
- fixed end and a free end of the anti-stiction member.
- 1 Claim 35. (previously presented) The MEMS device of claim 34, wherein the one or more
- 2 flexible portions include a serpentine portion.
- 1 Claim 36. (previously presented) The MEMS device of claim 34, wherein the one or more
- 2 flexible portions include at least one double-serpentine portion.
- 1 Claim 37. (currently amended) The MEMS device of claim 29 A MEMS device, comprising:
- 2 a substrate;
- a moveable element moveably coupled to the substrate, and
- an anti-stiction member that is interposable between the moveable element and the substrate,
- 5 further comprising a standoff attached to a free end of the anti-stiction member.

- 1 Claim 38. (cancel)
- 1 Claim 39. (currently amended) The MEMS device of claim 38, A MEMS device, comprising:
- 2 a substrate;
- a moveable element moveably coupled to the substrate, and
- 4 an anti-stiction member that is interposable between the moveable element and the
- 5 <u>substrate, further comprising means for electrically isolating the moveable element from a</u>
- 6 portion of the substrate, wherein the means for electrically isolating includes an electrically
- 7 insulating standoff attached to a free end of the anti-stiction member.
- Claim 40. (original) The MEMS device of claim 39, wherein the means for electrically isolating
  - 2 includes an electrically insulating portion of the moveable element.
  - 3 Claims 41-45. (cancel)
  - 1 Claim 46. (original) A method for fabricating a MEMS device, comprising:
  - 2 providing a silicon-on-insulator (SOI) substrate;
  - defining a moveable element from a device layer of the SOI substrate; and
  - depositing a flexible material over the device layer and the moveable element such that one
  - or more portions of the flexible material overhang the moveable element,
  - 6 wherein the flexible material is deposited such that the anti-stiction member is attached to
  - one end to a portion of the device layer,
  - 8 wherein the flexible material is deposited such that the anti-stiction member is not attached to
  - 9 the moveable element;
- whereby the flexible material forms one or more anti-stiction members.
- 1 Claim 47. (original) The method of claim 46 wherein an insulating material is deposited between
- defining the moveable element and depositing the flexible material.
- 1 Claim 48. (original) The method of claim 47, further comprising etching the insulating material
- 2 to release the moveable element.
- 1 Claim 49. (original) The method of claim 48, wherein the flexible material is resistant to an
- etchant that is used to remove the insulating material.

- 1 Claims 50-55. (cancel)
- 1 Claim 56. (currently amended) The optical switch of claim 50 An optical switch, comprising:
- 2 a substrate;
- one or more moveable elements moveably coupled to the substrate, and
- an anti-stiction member that is interposable between at least one of the moveable elements
- and the substrate, wherein the anti-stiction member is cantilevered such that the anti-stiction
- 6 member overhangs the moveable element.
- 1 Claim 57. (currently amended) The optical switch of claim 50 An optical switch, comprising:
- 2 a substrate;
- one or more moveable elements moveably coupled to the substrate, and
- an anti-stiction member that is interposable between at least one of the moveable elements
- 5 and the substrate, wherein the anti-stiction member is made from a flexible material.
- 1 Claim 58. (currently amended) The optical switch of claim 50 An optical switch, comprising:
- 2 a substrate;
- 3 one or more moveable elements moveably coupled to the substrate, and
- 4 an anti-stiction member that is interposable between at least one of the moveable elements
- and the substrate, wherein the anti-stiction member includes one or more flexible portions
- disposed between a fixed end and a free end of the anti-stiction member.
- 1 Claim 59. (original) The optical switch of claim 58, wherein the flexible portion includes a
- 2 serpentine portion.
- 1 Claim 60. (original) The optical switch of claim 58, wherein the flexible portion includes at least
- 2 one double serpentine portion.
- 1 Claim 61 (currently amended) The optical switch of claim 50 An optical switch, comprising:
- 2 <u>a substrate</u>;
- 3 one or more moveable elements moveably coupled to the substrate, and
- 4 an anti-stiction member that is interposable between at least one of the moveable elements
- and the substrate, further comprising a standoff attached to a free end of the anti-stiction
- 6 member.